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Abbreviations: AACD, aromatic L-amino acid decarboxylase; ACh, acetylcholine; AChE, acetylcholine esterase; CCCP, carbonyl cyanide *m*-chlorophenylhydrazone; ChAT, choline acetyltransferase; CGRP, calcitonin gene-related peptide; CRF, corticotropin releasing factor; DA, dopamine; DBH, dopamine β-hydroxylase; 2-DG, 2-deoxy-glucose; EPSP, excitatory postsynaptic potential; GABA, γ-amino-butyric acid; GAD, glutamate decarboxylase; GRP, gastrin releasing peptide; HRP, horseradish peroxidase; 5-HT, 5-hydroxytryptamine; LH, luteinizing hormone; LHRH, luteinizing hormone releasing hormone; LSD, lysergic acid diethylamide; M-cell, Mauthner-cell; MAM, methyl-azoxymethanol; MAP2, microtubule-associated protein 2; MEPP, minia-ture endplate potential; MPTP, 1-methyl-4-phenyl-1,2,3,6-tetrahydro-pyridine; NA, noradrenaline; NKA, neurokinin A; NPY, neuro-peptide Y, (neuropeptide tyrosine); NT, neurotensin; PAG, periaqueductal gray matter; PHI, peptide histidine isoleucine; PSD, postsynaptic density; RNA, ribonucleic acid; mRNA, messenger RNA; SCG, superior cervical ganglion; SCN, suprachiasmatic nucleus; SN, substantia nigra; SP, substance P; TH, tyrosine hydroxylase; VIP, vasoactive intestinal peptide; VTA, ventral tegmental area; WGA, wheat germ agglutinin.

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